AUTHOR INDEX

Name	Page
	A
Andersen, Robert N.	111
Ascheman, R. E.	1, 63, 69
	B
Behrens, R.	55, 123
Bell, H. K.	81
Bondarenko, D. D.	1, 113
Burnside, O. C.	55 to 58, 70, 74
	C
Carder, A. C.	1, 3 to 6, 16, 17, 18
Chubb, W. O.	71
Colville, W. L.	55, 58
Cotter, D. J.	85
Coupland, R. T.	40 to 50
	D
Davis, F. S.	75
Davis, R. R.	82
Derscheid, Lyle A.	7 to 10, 12, 18 to 21, 109
Dinkel, D. H.	71, 72, 82, 83
Donnalley, W. F.	87
Dosen, R. C.	100, 128
Drake, C. R.	100
Dryden, R. D.	22, 23, 66, 67, 68, 73
	E
Elwell, Harry M.	127
	F
Fletchall, O. Hale	12, 14, 64, 75
Freeman, J. F.	59, 60
Friesen, H. A.	23, 24, 25, 73, 100, 107
	G
Gorz, H. J.	74
Groskopf, M.	91
Grover, R.	95 to 98
Guse, Lynn R.	102
	H
Haltvick, E. T.	84
Hamm, P. C.	124
Hastings, R. E.	63
Hemphill, D. D.	85, 119
Herron, J. W.	85
Hicks, Raymond D.	12, 14
Hiltibran, Robert C.	102
Holm, L.	91, 120
	I
Isenberg, L. G.	55
	K
Kittock, D. L.	70
Kozlowski, T. T.	94
Kuntz, J. E.	94, 100, 120, 128
	L
Lovely, W. G.	130

M

Mackenthun, Kenneth M. 103, 104
McCarty, M. K. 75, 116
McDuffe, J. R. 29
McKenzie, D. 29, 30, 32, 36
Miller, R. Alden 86
Murphy, W. J. 75

N

Neame, N. D. 29
Nelson, D. C. 87 to 90
Newell, L. C. 75
Nylund, R. E. 87 to 90, 107

P

Peters, E. J. 61, 75, 76

R

Rake, L. 91
Rea, H. E. 15, 64
Ries, S. K. 81, 87
Robinson, R. G. 61, 76

S

Selleck, G. W. 26 to 39
Sexsmith, J. J. 62, 68, 77, 78, 79, 115
Skogland, N. A. 40 to 50
Steucke, Erwin W. 104
Stevens, W. R. 36
Stroube, E. W. 1, 63, 69
Switzer, C. M. 92

T

Talbert, Ronald E. 64
Thompson, J. R. 61
Thompson, R. L. 61
Tumah, E. 32

V

Vanden Born, Wm. H. 14, 51, 52, 53, 99

W

Walker, Charles R. 104
Wallace, Wilford H. 18 to 21
Weis, G. G. 84
Wiese, A. F. 15, 64
Wiltse, Mark G. 129
Wrage, Leon 18 to 21

Z

Zielke, R. C. 69

WEEDS, CROPS, AND GENERAL INDEX

Common name	Latin name	Pages
	A	
Alfalfa	Medicago sativa	18,19,20,76
Aquatic weed control		102,103,104,129,130
Asparagus	Asparagus officinalis	90
	B	
Barley	Hordeum sativum	4,16,20 to 23,25,38,39,41, 42,68
Barnyardgrass	Echinochloa crus-galli	61,76,88,89
Basic studies		99,123
Beans, horse	Vicia faba	76
Beans, lima	Phaseolus lunatus	86
Beans, snap and white	Phaseolus vulgaris	71,85,86,89,116
Beets, red	Beta vulgaris	88,89
Beets, sugar	Beta vulgaris	69,72,79,86,117
Bindweed, field	Convolvulus arvensis	9,15,91,110
Bluegrass, Kentucky	Poa pratensis	75,82,85,92
Bluestem, big	Andropogon gerardi	75
Bromegrass, smooth	Bromus inermis	5,17,18
Buckwheat, tartary	Fagopyrum tataricum	45,53,112
Buckwheat, wild	Polygonum convolvulus	43,112
	C	
Cabbage	Brassica oleracea capitata	85,86,88,89
Canarygrass, reed	Phalaris arundinacea	102
Cantaloup	Cucumis melo	86
Caragana	Caragana arborescens	95
Castorbeans	Ricinus communis	70,117
Carpetweed	Mollugo verticillata	91,94
Carrot	Daucus carota sativa	76,82,86,88,89
Catchfly, nightflowering	Silene noctiflora	46,112
Cattails	Typha sp.	102
Celery	Apium graveolens	83
Chickweed, common	Stellaria media	71,72,81 to 84, 94
Cockle, cow	Saponaria vacaria	50,112
Corn	Zea mays	55,59,60,63,113
Corn, sweet	Zea mays	62,86
Couchgrass, see quackgrass		
Crabgrass	Digitaria sp.	59,60,63,82,85,92,111
Crabgrass, large	Digitaria sanguinalis	56,57,58,81,87
Cucumber	Cucumis sativus	86,89,91
Cultivation, as weed control		57
	D	
Dandelion	Taraxacum officinale	90
	F	
Falseflax, largeseed	Camelina sativa	50,112
Fescue, red or chewings	Festuca rubra	5,17,75
Fescue, tall	Festuca arundinacea	
Flax	Linum usitatissinum	4,18,19,73,77,78,117
Flixweed	Descurainia sophia	84
Forest firelanes, weed control		100
Forest nurseries, weed control		94 to 98,120,121,122
Forestry, weed control		120 to 123

Foxtails	Setaria sp.	55 to 60,63,69,74,88,89,111
Foxtail, green	Setaria viridis	18 to 21,30,62,71,79
Foxtail, water	Alopecurus geniculatus	90
Foxtail, yellow	Setaria lutescens	18 to 21,29,91
	G	
Goosegrass	Eleusine indica	59,60
	H	
Herbicides, new, summary		124 to 127
Horsenettle, Carolina	Solanum carolinense	61
Horsetail, field	Equisetum arvense	6,110
Horticultural crops, weed control		81 to 93
	I	
Industrial crops, potential, weed control		76
	J	
Jimsonweed	Datura stramonium	63
Johnsongrass	Sorgum halepense	12,14,109
	K	
Knapweed, Russian	Centaurea repens	10
	L	
Lambsquarters	Chenopodium album	18,19,63,71,72,74,78,81,82, 83,87,88,91
Leaching, of triazines, on sandy soil		94
Legumes, forage, weed control in		116
	M	
Mayweed, scentless	Matricaria inodora	18,112
Mechanical considerations		130,131,132
Millet, German	Setaria italica	89
Muskmelon, see cantaloup		
Mustard, white	Brassica hirta	89
Mustard, wild	Brassica kaber	18 to 21,71,72,82,83,84
	N	
Nutsedge (nutgrass), yellow	Cyperus esculentus	69
	O	
Oak, northern pin	Quercus ellipsoidalis	100
Oaks,	Quercus sp.	100
Oak wilt, control with soil fumigants		100
Oats	Avena sativa	4
Oats, wild	Avena fatua	16 to 24,26 to 44,51,52,53, 66,67,68,71,73,79,111
Onion	Allium cepa	86,87,88,89
Orchardgrass	Dactylis glomerata	75
	P	
Panicum, fall	Panicum dichotomiflorum	55,61,64,76
Parsnip	Pastinaca sativa	83
Pastures, weed control in		117
Peas	Pisum sativum	4,71,78,79,86,89,117
Pennycress, field	Thlaspi arvense	71,72,82,83
Pigweeds	Amaranthus sp.	55 to 58,74,88
Pigweed, prostrate	Amaranthus graecizans	112
Pigweed, rough or redroot	Amaranthus retroflexus	47,59,60,61,63,77,78,79,81, 87 to 91,112
Pine, jack	Pinus banksiana	100
Pine, red	Pinus resinosa	94
Pine, Scots	Pinus sylvestris	95 to 98

Potato	Solanum tuberosum	72,86,91,118
Purslane	Portulaca oleracea	49,81,87,89,90,94,112
	Q	
Quackgrass	Agropyron repens	1,3,4,109
	R	
Ragweed, common	Ambrosia artemisiifolia	61,64,69,76,91
Rapeseed	Brassica napus	41,76,118
Raspberries	Rubus occidentalis	84
Research Committee, members		108
Root growth, and 2,4-D		64
Roses, wild	Rosa sp.	100
Row spacing of crops and weed control		55,56,58
	S	
Seeding date, after *DATC		67,68
Shepherdspurse	Capsella bursa-pastoris	71,72,82,83,84,88,89
Small grains, weed control		115
Smartweeds	Polygonum sp.	55,63,69,74,87,88
Smartweed, green	Polygonum scabrum	48,112
Smartweed, ladysthumb	Polygonum persicaria	112
Snowberry, western	Symphoricarpos occidentalis	100
Sorghum	Sorgum vulgare	56,57,61,64,114
Sowthistle, perennial	Sonchus arvensis	8
Soybeans	Glycine max	58,60,61,63,114
Speedwells	Veronica spp.	60
Speedwell purslane	Veronica peregrina	90
Spruce, Colorado	Picea pungens	95 to 98
Spruce, white	Picea glauca	95,96,97
Spurge, leafy	Euphorbia esula	12,110
Spurry, corn	Spergula arvensis	25,71,72,82,83,112
Squash	Cucurbita sp.	86,89
Strawberry	Fragaria sp.	81,84,85
Summary, new research findings		106 to 132
Sunflower	Helianthus annuus	74,76
Sweetclover	Melilotus sp.	26,74
	T	
Thistle, Canada	Cirsium arvense	1,7,14,109
Thistle, Russian	Salsola kali	45,77,78,112
Tillage, for weed control		1,3,4
Timothy	Phleum pratense	75
Toadflax, yellow	Linaria vulgaris	5,110
Tobacco	Nicotiana tabacum	118
Tomato	Lycopersicum esculentum	84,86,87
Turf, weed control		82,85,92,119
	V	
Velvetleaf	Abutilon theophrasti	56,57,58,63
	W	
Wheat	Triticum vulgare	4,16,20 to 24,26 to 42,51, 52,53,66,67,99
Witchgrass	Panicum capillare	94
Wolfwillow	Eleagnus commutata	100
Woodsorrel, yellow	Oxalis stricta	74
Woody plant control		100,127,128

HERBICIDE LIST AND INDEX

The nomenclature of this list is based so far as possible on the Report of the Terminology Committee of the Weed Society of America (Weeds 8:487-521). Herbicides are indexed under the common name given in that list if there is one; otherwise under the chemical name; trademarks and code numbers are given for identification.

At a meeting of the Executive Committee of the Weed Society of America in St. Louis, December 10, 1961, a number of additional common names and abbreviations were recommended by the Terminology Committee and approved by the Executive Committee. Some of these dedicate trademarks as common names; some are new abbreviations by the Terminology Committee. The text of these reports was already run by that date, but this index includes the new terms and changes, each indicated by a preceding asterisk.

The "Summary of New Research Findings" has not been indexed for herbicides.

Names which begin with numerals are indexed as if spelled out; proper capitalization is indicated.

A

amiben--3-amino-2,5-dichlorobenzoic acid 8,9,10,12,19,20,58,60,61,63,64, 70,71,74,76,82,85 to 89,91

amitrole--3-amino-1,2,4-triazole 1,6,14,102

amitrole-T--3-amino-1,2,4-triazole plus ammonium thiocyanate 1,6,7 to 10,12, 14,64,102

Aquathol--trademark for endothal, disodium salt

Aretit--trademark for DNBP acetate

Atlacide--trademark for a mixture containing 59% sodium chlorate

*atramatryne--2-ethylamino-4-isopropylamino-6-methylmercapto-s-triazine 61,63, 72,75,88,89,102

atratone--2-methoxy-4-ethylamino-6-isopropylamino-s-triazine 63

atrazine--2-chloro-4-ethylamino-6-isopropylamino-s-triazine 15,55,56,57,59 to 64,75,91,102,104

Avadex--trademark for *DATC

B

barban--4-chloro-2-butynyl N-(3-chlorophenyl)carbamate 16,17,18,21,23,24,42, 43,51,52,53,71,72,73

Bandane--trademark for polychlorodicyclopentadiene isomers

Banvel D--trademark for 2-methoxy-3,6-dichlorobenzoic acid (Velsicol B in 1960)

Banvel T--trademark for 2-methoxy-3,5,6-trichlorobenzoic acid (Velsicol C in 1960)

BMM--borate-monuron mixture 1

Borascu, Concentrated--trademark for anhydrous sodium borate ore, 65% boron trioxide

borax--sodium borate

BP-3--code for 2,4-dichlorophenoxycarbonylethyl N-phenylcarbamate

C

calcium arsenate 82,85,92
calcium propyl arsonate 82,85
carbo-(2,4-dichlorophenoxy)ethyl N-phenylcarbamate--2,4-dichlorophenoxycarbonylethyl N-phenylcarbamate
Carbyne--trademark for barban
Casoron--trademark for 2,6-dichlorobenzonitrile
CBM--chlorate-borate mixture 1
CBMM--chlorate-borate-monuron mixture 1
CCC--code for (2-chloroethyl)trimethylammonium chloride
CDAA--2-chloro-N,N-diallyacetamide 60,69,70,71,72,76,85,86,87,88
CDAA plus trichlorobenzyl chloride (Randox T) 57,59,61,62,63,64,70,87,88
CDEC--2-chloroallyl diethyldithiocarbamate 69,70,71,72,83,85,91
Celatox--trademark for 30/50 mixture of butyl ester of MCPA and amyl ester of 2,4,5-T
chlorate--see sodium chlorate
chlordane--1,2,4,5,6,7,8,8-octachloro-4,7-methano-3a,4,7,7a-tetrahydroindane 82,85
Chlorea--trademark for a CBMM
CIPC--isopropyl N-(3-chlorophenyl)carbamate 63,69,70,82,83,86,88
Compitox--trademark for 2-(MCPP)
Copper Sulfate 102,104
CP 18-15--code for a mixture of chlorinated benzoic and cresoxyacetic acids 6,18,25,45 to 50
CP 7667--code for 2-chloroallyl dipropyldithiocarbamate
CP 15336--code for formulation of *DATC
CP 17029--code for 2,4-bis(3-methoxypropylamino)-6-methylthio-s-triazine
CP 22819 and 23411--codes for 2,3,3-trichloroallyl diisopropyldithiocarbamate
CP 23426--code for 2,3,3-trichloroallyl diisopropylthiolcarbamate

D

Dacthal--trademark for *DCPA
dalapon--2,2-dichloropropionic acid 1,12,14,18,19,55,69,72,76,90,91,102
*DATC--2,3-dichloroallyl diisopropylthiolcarbamate (Avadex) 16,19,20,22,23,24,26 to 42,44,51,53,66,67,68,71,73,79
*DCMA--N-(3,4-dichlorophenyl)methacrylamide (Dicryl) 77,82,83,91
*DCPA--2,3,5,6-tetrachloroterephthalic acid (Dacthal) 61,64,82,85,91,92,94
*DMPA--O-(2,4-dichlorophenyl)O-methyl isopropylphosphoramidothioate (Zytron) 45 to 50,61,64,70,81,82,85,87,88,92
Dicryl--trademark for *DCMA
Dinoben--trademark for 2,5-dichloro-3-nitrobenzoic acid
*diphenamid--N,N-dimethyl-2,2-diphenylacetamide 61,63,64,75,76,81,85,86,88,89,90
*diphenatrile--diphenylacetonitrile 82,92
*dipropalin--N,N-di-n-propyl-2,6-dinitro-4-methylaniline 82,85,92
diquat--1,1-ethylene-2,2-dipyridylium dibromide 87,102
diuron--3-(3,4-dichlorophenyl)-1,1-dimethylurea 70,75,87
DMTT--3,5-dimethyltetrahydro-1,3,5,2H-thiadiazine-2-thione (Mylone) 15
DNBP--4,6-dinitro-o-sec-butylphenol 45 to 50,60,61,64,70,71,72,85,91
DuPont 326--code for *methuron

E

Embutox--trademark for 4-(2,4-DB)
endothal--3,6-endoxohexahydrophthalic acid (Aquathol) 45 to 50,64,69,70,72,86, 102,104
endothal--experimental amines,(Pennsalt TD's 47, 66, 266, 268, 269, 270) 69,72, 86,88,89,102,104

E

Eptam--trademark for EPTC
EPTC--ethyl-N,N-di-n-propylthiolcarbamate 59,60,62,69 to 72,76,79,85,86,91, 94
erbon--2-(2,4,5-trichlorophenoxy)ethyl 2,2-dichloropropionate 1
ethyl di-n-butylthiolcarbamate (R-1870) 60,85
ethylene dibromide 15
EXD--ethyl xanthogen disulphide (Herbisan) 87

F

Falone--trademark for 2,4-DEP
fenac--2,3,6-trichlorophenylacetic acid 1,3,7 to 10,12,15,59
fenuron--3-phenyl-1,1-dimethylurea 15
fenuron.TCA--3-phenyl-1,1-methylurea trichloroacetate (Urab) 100
4-(MCPB)--4-(2-methyl-4-chlorophenoxy)butyric acid 14,45 to 50,78
4-(MCPB)-MCPA mixture (Tropotox Plus) 77,78
4-(2,4-DB)--4-(2,4-dichlorophenoxy)butyric acid 14,25,45 to 50,71,75,76,77
4,6-dinitro-3-sec-butylphenol acetate (N-5778) 71

G

G-30026--code for 2-chloro-4-isopropylamino-6-methylamino-s-triazine
G-32292--code for 2-methoxy-4-methylamino-6-isopropyl-s-triazine
G-34161--code for *prometryne
G-34162--code for *atramatryne
G-34361--code for 2-allylamino-4-chloro-6-isopropylamino-s-triazine
G-34696--code for 2-chloro-4-ethylamino-6-(3-methoxypropylamino)-s-triazine

H

Herbisan 5--trademark for EXD
HN-1688--code for methyldichlorobenzoic acid

I

ipazine--2-chloro-4-diethyl-6-isopropylamino-s-triazine 72,82
IPC--isopropyl-N-phenyl carbamate 79

K

Karsil--trademark for N-(3,4-dichlorophenyl)-2-methylpentanamide

M

MCPA--2-methyl-4-chlorophenoxyacetic acid 6,18 to 21,25,42,43,45 to 50,71,78
MCPA-2,4,5-T mixture (Celatox) 25,45 to 50,77
*methuron--3-(3,4-dichlorophenyl)-1-methoxy-1-methylurea (DuPont 326) 59,60,61, 63,64,75,81,85,89
methyldichlorobenzoic acid (HN 1688) 1,63
monuron--3-(p-chlorophenyl)-1,1-dimethylurea 1,4,5,15,90,95
monuron.TCA--3-(p-chlorophenyl)-1,1-dimethylurea trichloroacetate (Urox) 1,100, 104
Mylone--trademark for DMTT

N

neburon--1-m-butyl-3-(3,4-dichlorophenyl)-1-methylurea 64,91,104
N-5778--code for 4,6-dinitro-3-sec-butylphenol acetate
Niagara 2995--code for methyl N-(3,4-dichlorophenyl)carbamate
NPA--N1-1naphthylthalamic acid 60,63,70,86,91
N-(3-chloro-4-methylphenyl)-2-methylpentanamide (Solan) 71,72,81 to 84,86,87,91
N-(3,4-diclorophenyl)-2-methylpentanamide (Karsil) 82

O

Olin-Mathison 1306--code for 2,4-dichloro-6-nitrophenol

P

PBA--mixtures of chlorinated benzoic acids from dichloro- to pentachloro- 7 to 10,12,15,104
PCP---pentachlorophenol 60,61,63,64
Polybor-chlorate--trademark for a CBM
polychlorobenzoic acids--PBA
polychlorodicylopentadiene isomers (Bandane) 82,85
Premerge--trademark for alkanolamine salts of DNBP
prometone--2-methoxy-4,6-bis(isopropylamino)-s-triazine 15
*prometryne--2,4-bis(isopropylamino)-6-methylmercapto-s-triazine 24,63,71,72,88, 89
propazine--2-chloro4,6-bis(isopropylamino-s-triazine 57,61,76,81,82,83,97,98
propyl ethyl-n-butylthiolcarbamate (Tillam) (R-2061) 59,69,71,72,81,85,87

R

Randox--trademark for CDAA
Randox T--trademark for CDAA plus trichlorobenzyl chloride
R-1607--code for propyl di-n-propylthiolcarbamate
R-1856--code for tert-butyl di-n-propylthiolcarbamate
R-1870--code for ethyl di-n-butylthiolcarbamate
R-2061--code for propyl ethyl-n-butylthiolcarbamate
R-3400--code for 2-benzylmercapto-4,6-dimethylpyrimidine

S

SD 6623--code for trimethylsulfonium chloride
sesone--sodium 2,4-dichlorophenoxyethyl sulphate 85
silvex--2-(2,4,5-trichlorophenoxy)propionic acid 45 to 50,100,102,104
simazine--2-chloro-4,6-bis(ethylamino)-s-triazine 1,7 to 10,12,59,60,63,84,91, 94 to 98,102,104
SMDC--sodium N-methyldithiocarbamate (Vapam) 15,100
sodium borate 1,15
sodium chlorate 1,15
Solan--trademark for N-(3-chloro-4-methylphenyl)-2-methylpentanamide

T

TBA--2,3,6-TBA
TCA--trichloroacetic acid 1,4,69,70
TD 47, 66, 266, 268, 269, 270--endothal (Pennsalt experimental amine salts)
tert-butyl di-n-propylthiolcarbamate (R-1856) 59
Tillam--trademark for propyl ethyl-n-butylthiolcarbamate (R-2061, 1960)
trichlorobenzyl chloride (See CDAA)
trichlorobenzyloxyethanol 15
trichlorobenzyloxypropanol 15
trietazine--2-chloro-4-ethylamino-6-diethylamino-s-triazine 71,72,79,81,84,91
*trifluralin--N,N-di-n-propyl-2,6-dinitro-4-trifluoromethylaniline 82,85,86,92
trimethylsulfonium chloride (SD 6623) 45 to 50
Tropotox--trademark for 4-(MCPB)
Tropotox Plus--trademark for mixture of 4-(MCPB) and MCPA
2-allylamino-4-ethylamino-6-(3-methoxypropylamino)-s-triazine (G-34361) 24,86
2-amino-3-chloro-4-maphthoquinone 102
2-benzylmercapto-4,6-dimethylpyrimidine (R-3400) 64,86
(2-chloroethyl)trimethylammonium chloride (CCC) 99
2-chloro-4-ethylamino-6-(3-methoxypropylamino)-s-triazine (G-34696) 61,88,89
2-chloro-4-isopropylamino-6-methylamino-s-triazine (G-30026) 64
2,5-dichloro-3-nitrobenzoic acid (Dinoben) 85
2,4-bis(3-methoxypropylamino)-6-methylthio-s-triazine (CP 17029) 59,60

T

2,4-D--2,4-dichlorophenoxyacetic acid 6 to 10,12,14,18 to 21,25,45 to 50, 53,55,59,60,63,64,75,77,78,102, 103,104
2,4-DB--4-(2,4-DB)
2,4-DEP--tris(2,4-dichlorophenoxyethyl) phosphite (Falone) 59,81,85
2,4-dichlorophenoxycarbonylethyl N-phenylcarbamate (BP-3) 24,42
2,4-dichloro-6-nitrophenol (Olin-Mathison 1306) 64
2,4,5-T--2,4,5-trichlorophenoxyacetic acid 45 to 50,100,102
2-(MCPP)--2-methyl-4-chlorophenoxypropionic acid (Compitox) 18,25,45 to 50,77
2-methoxy-4-ethylamino-6-isopropylamino-s-triazine (Ipatone) 63
2-methoxy-4-methylamino-6-isopropyl-s-triazine (G-32292) 69
2-methoxy-3,5,6-trichlorobenzoic acid (Banvel T) 14,25,45 to 50,53,63,77
2-methoxy-3,6-dichlorobenzoic acid (Banvel D) 7 to 10,12,14,15,25,45 to 50,53, 59,60,63,75,77
2,6-dichlorobenzonitrile (Casoron) 64,70,71,85,86,87,91
2,3,6-TBA--2,3,6-trichlorobenzoic acid (See also PBA) 7 to 10,12,15,25,63
2,3,3-trichloroallyl diisopropyl dithiocarbamate (CP 22819 and 23411) 23
2,3,3-trichloroallyl diisopropyldithiolcarbamate (CP 23426) 16,22,23,26,27,29, 30,32,35 to 38, 44,53,71

U

Urab--trademark for fenuron.TCA
Ureabor--trademark for a BMM
Urox--trademark for monuron.TCA

V

Vapam--trademark for SMDC

Z

Zytron--trademark for *DMPA